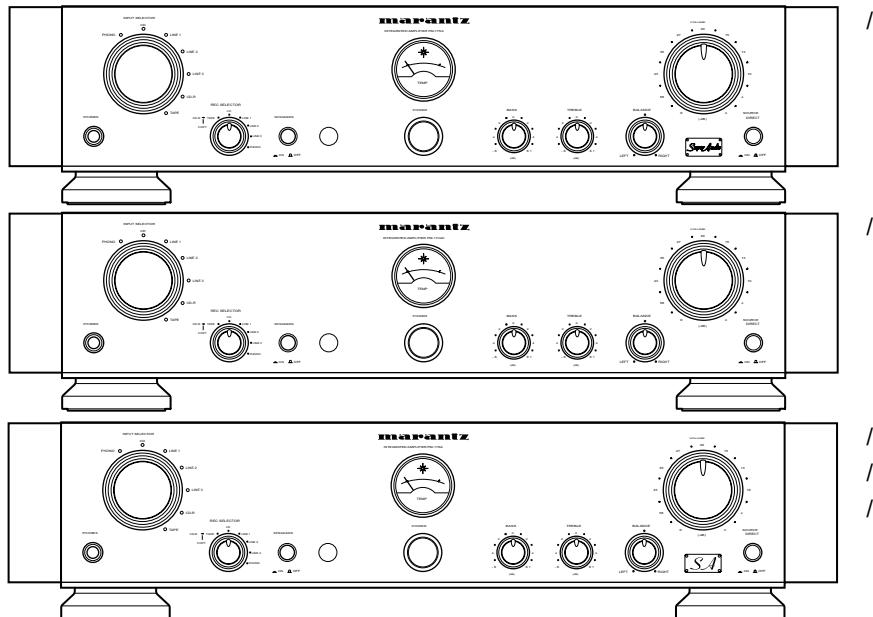


# Service Manual

PM17A /F1N, /K1G, /N1G, /S1G  
/N1B, /U1B  
Integrated amplifier



PM-17SA / mkII

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Please use this service manual with referring to the user guide ( D.F.U. ) without fail.  
修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。

**marantz®**

**PM-17SA / PM-17mkII**

313J855010 MIT  
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First Issue 1999.10

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3GA, HANGANG-RO, YONGSAN-KU, SEOUL  
KOREA  
PHONE : +822 - 3232 - 155  
FAX : +822 - 3232 - 154

### SHOCK, FIRE HAZARD SERVICE TEST :

**CAUTION :** After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins ( with unit NOT connected to AC mains and its Power switch ON ), and the face or Front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

Ref. UL Standard No. 1492.

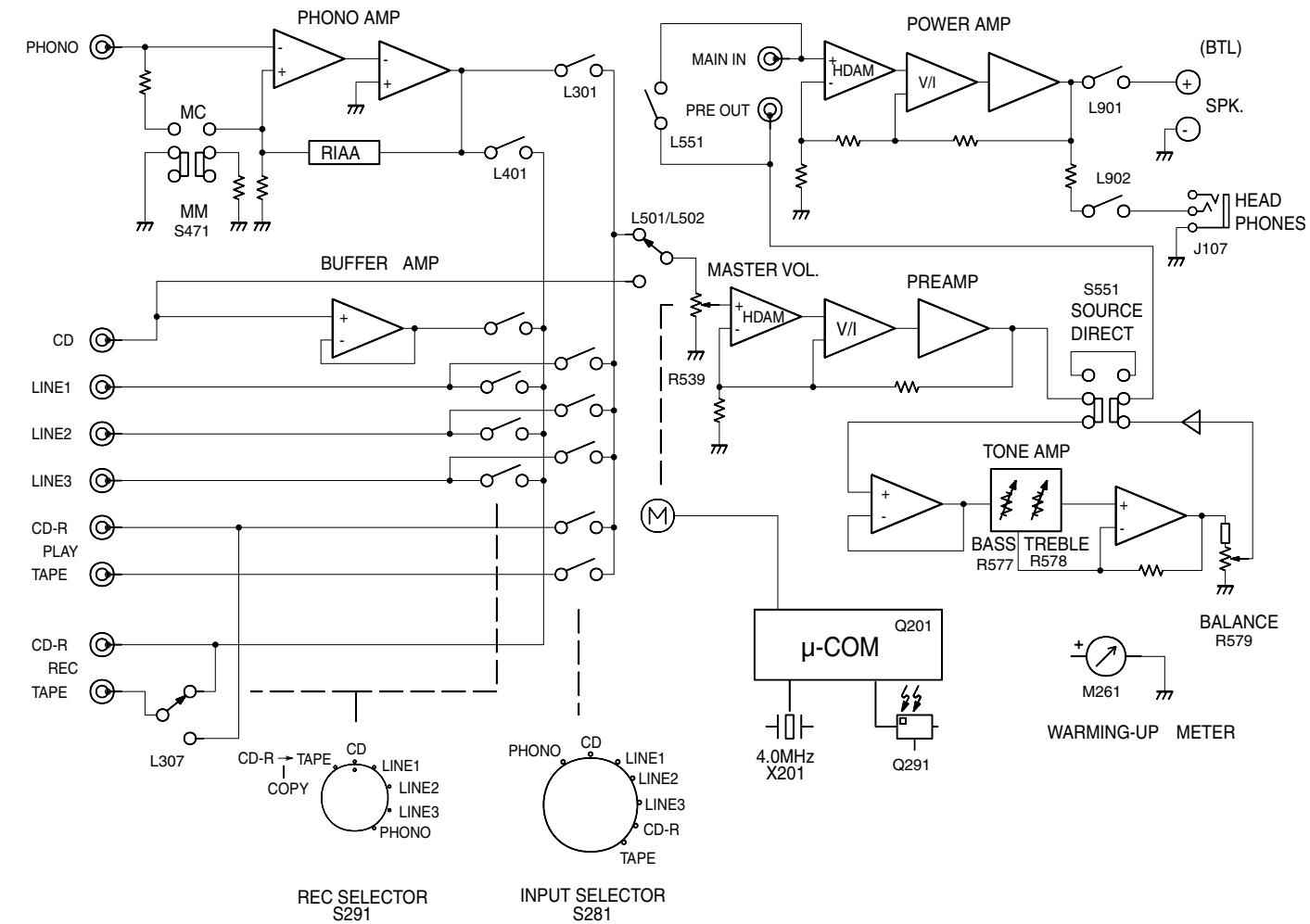
In case of difficulties, do not hesitate to contact the Technical Department at above mentioned address.

## 1. TECHNICAL SPECIFICATIONS

Rated power output (20 Hz to 20 kHz, 2CH simultaneous drive) .....	60 W x 2 (8 Ω load)
	80 W x 2 (6 Ω load)
	100 W x 2 (4 Ω load)
Total harmonic distortion (20 Hz to 20 kHz, 2CH drive, 8 Ω load) .....	0.01 %
Cross-modulation distortion (SMPTE) .....	0.01 %
Output bandwidth (8 Ω load, 0.04 %) .....	10 Hz to 50 kHz
Frequency response (CD, SOURCE DIRECT) .....	5 Hz to 70 kHz, +0/-1 dB
Damping factor (8 Ω load, 20 Hz to 20 kHz) .....	100
Input sensitivity/input impedance	
PHONE (MC) .....	230 μV/100 Ω
PHONE (MM) .....	2.5 mV/47 kΩ
HIGH LEVEL .....	220 mV/22 kΩ
MAIN IN .....	1.6 V/22 kΩ
Output voltage/output impedance	
PRE OUT .....	1.6 V/250 Ω
Maximum allowable PHONE input (1 kHz)	
MC .....	15 mV
MM .....	150 mV
RIAA deviation (20 Hz to 20 kHz) .....	±0.2 dB
S/N (IHF A network, input shorted)	
PHONE (MC) .....	76 dB
PHONE (MM) .....	90 dB
HIGH LEVEL .....	112 dB
Tone control	
BASS (100 Hz) .....	±8 dB
TREBLE (10 kHz) .....	±8 dB
Supply voltage	
F version .....	100 V AC, 50/60 Hz
/K1 version .....	110 V/220 V AC, 50/60 Hz
/N1, /S1 version .....	230 V AC, 50 Hz
/U1 version .....	120 V AC, 60 Hz
Power consumption .....	180 W
Dimensions ( Maximum )	
Width .....	458 mm
Height .....	110 mm
Depth .....	429 mm
Weight .....	16 kg
Accessories	
Remote control unit (RC-17mkIIIPM) .....	x 1
Dimensions	
Width .....	44 mm
Height .....	239 mm
Depth .....	17.5 mm
Weight (without batteries) .....	189 g
SUM-4 (R6/ "AA" size) dry cell battery .....	x 2

Design and specifications are subject to change without notice.

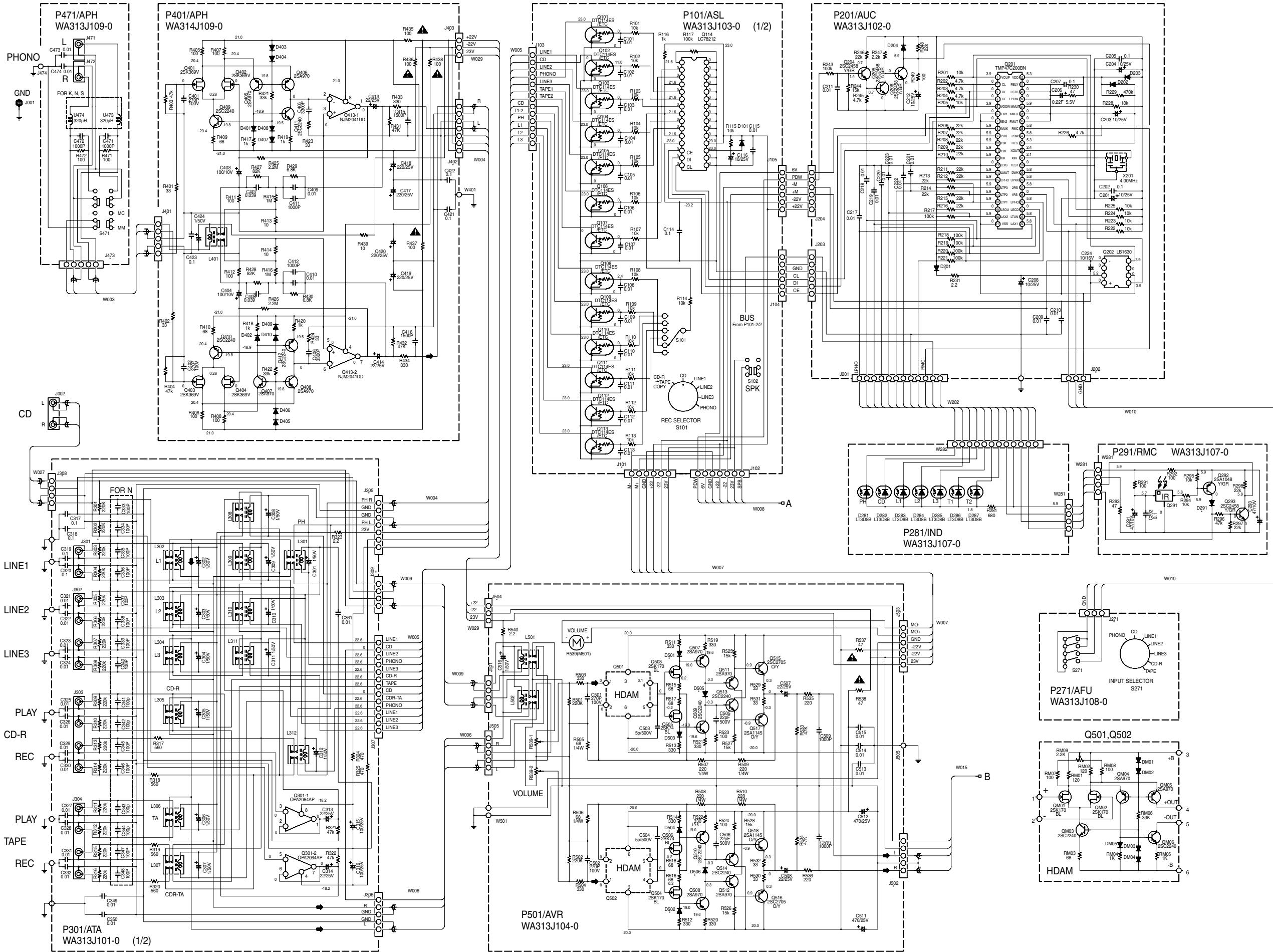
## 2. BLOCK DIAGRAM

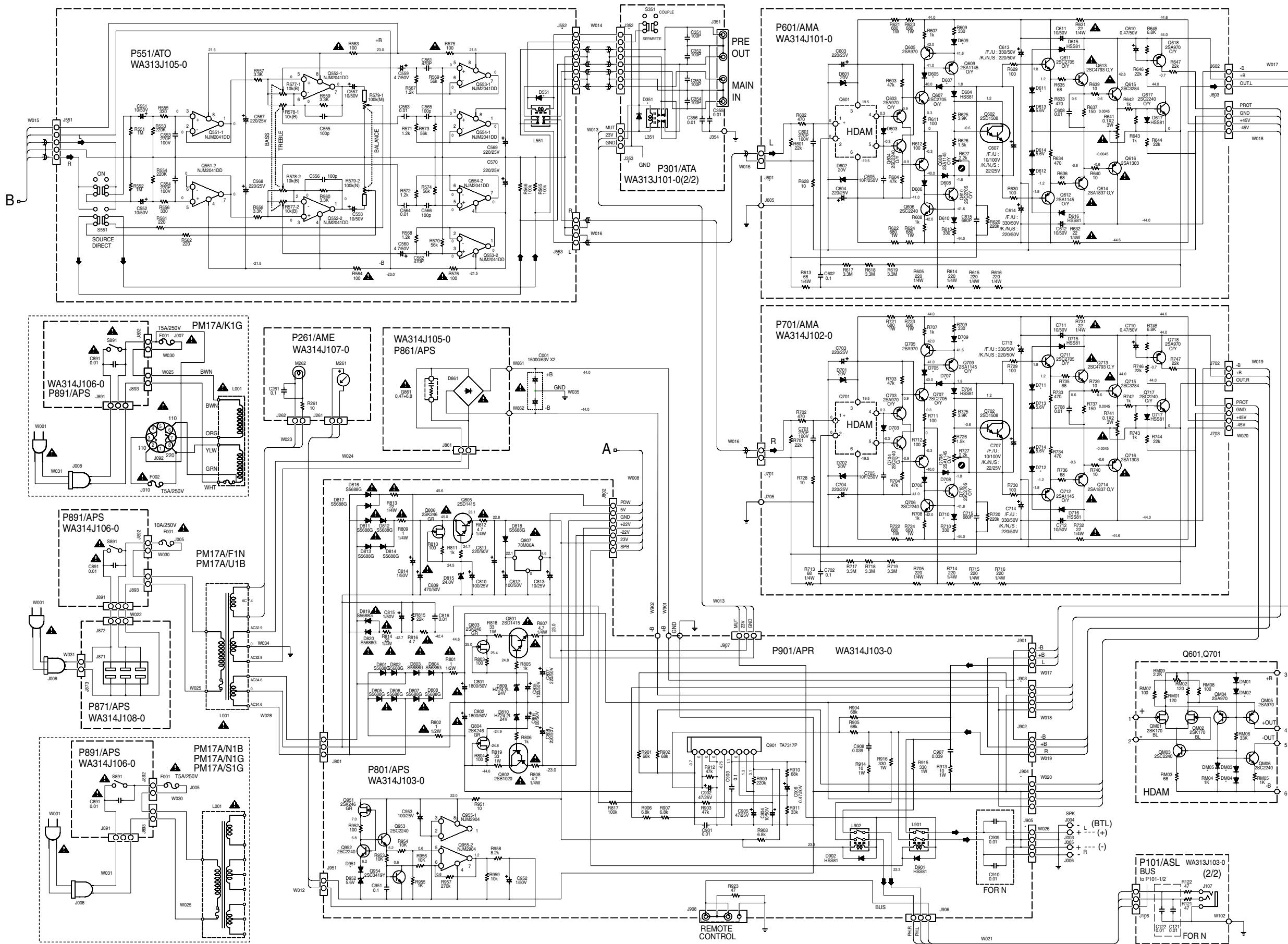


## 3. TEST EQUIPMENT REQUIRED FOR SERVICING

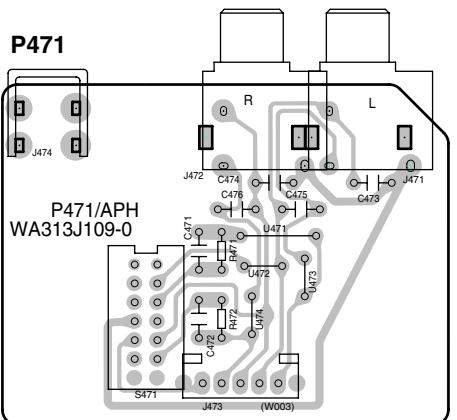
Item 項目	Use 使用方法
Distortion Analyzer 歪率計	Distortion measurements 歪の測定
Audio Oscillator 低周波発振器	Sinewave and squarewave signal source 正弦波及び矩形波の信号源
AC VTVM AC VTVM	Voltage measurements (AC) 交流電圧の測定
Oscilloscope オシロスコープ	Waveform analysis and trouble shooting and ASO alignment 波形分析、トラブルシューティング及びASOの調整
DC VTVM DC VTVM	Voltage measurements (DC) 直流電圧の測定
AC Wattmeter 交流ワットメーター	Monitors primary power to amplifier アンプの一側消費電力のモニター
Line Voltmeter 電源電圧計	Monitors potential of primary power to amplifier アンプの一側消費電圧のモニター
Variable Autotransformer スライダック	Adjust level of primary power to amplifier アンプの一側電圧の調節
Circuit Tester テスター	Trouble shooting トラブルシューティング
Shorting Plug ショート用プラグ	Shorts amplifier input to eliminate noise pickup 雑音を拾わないようにアンプ入力を短絡する

#### 4. SCHEMATIC DIAGRAM

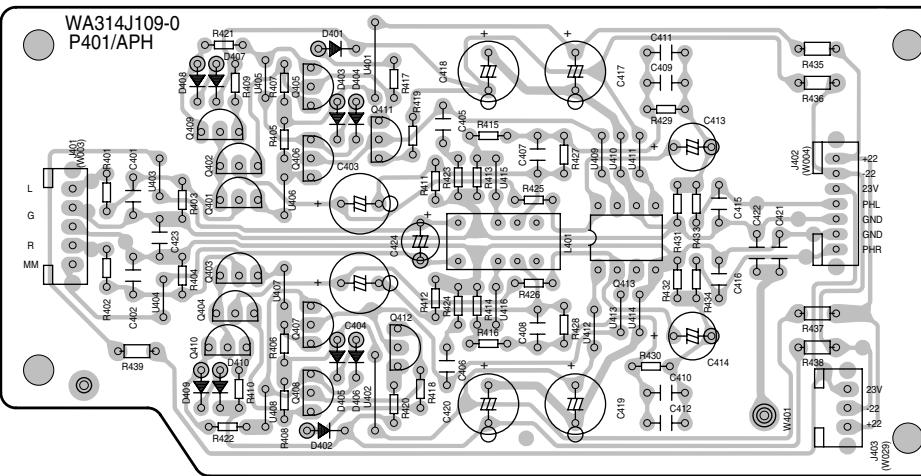




## 5. PARTS LOCATION (Pattern Side)

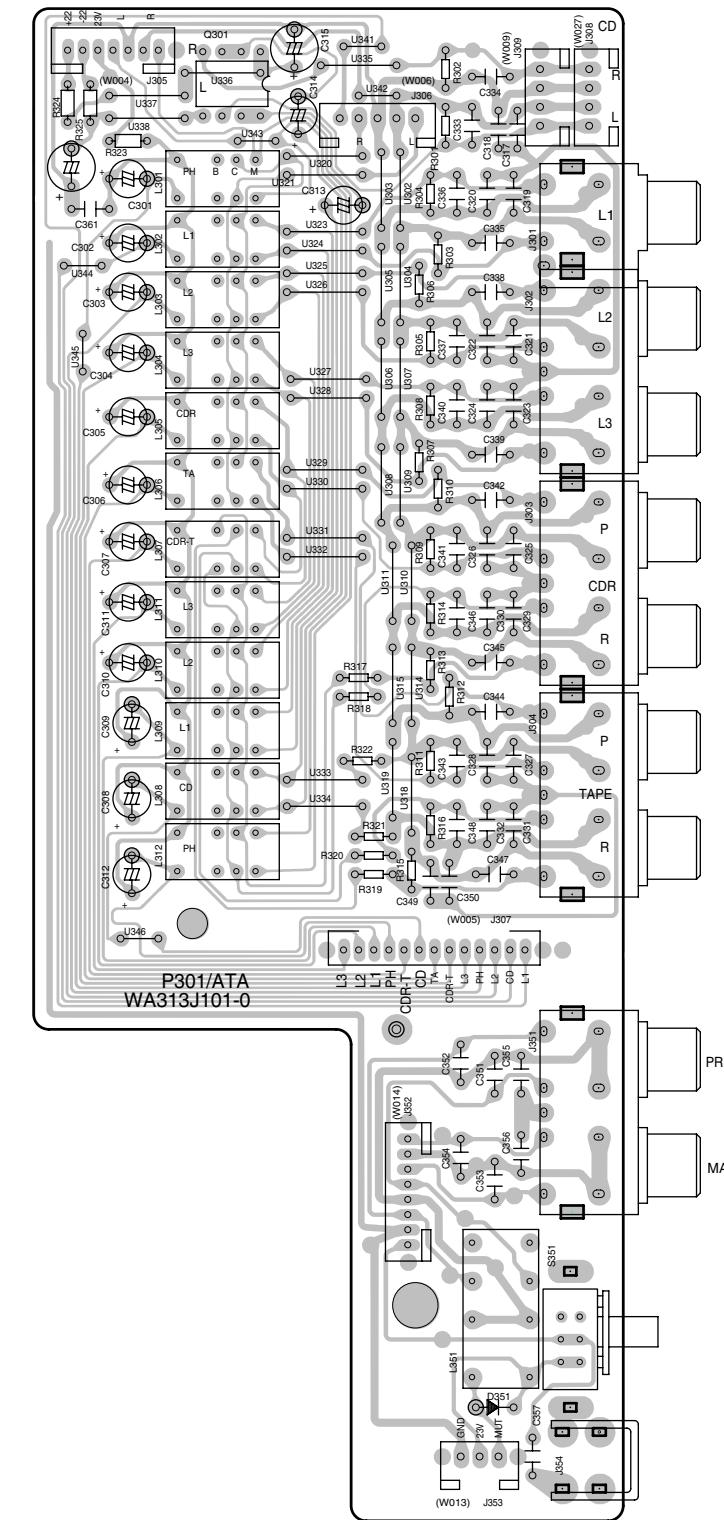


**P401**  
Q401 - Q412



**P301**

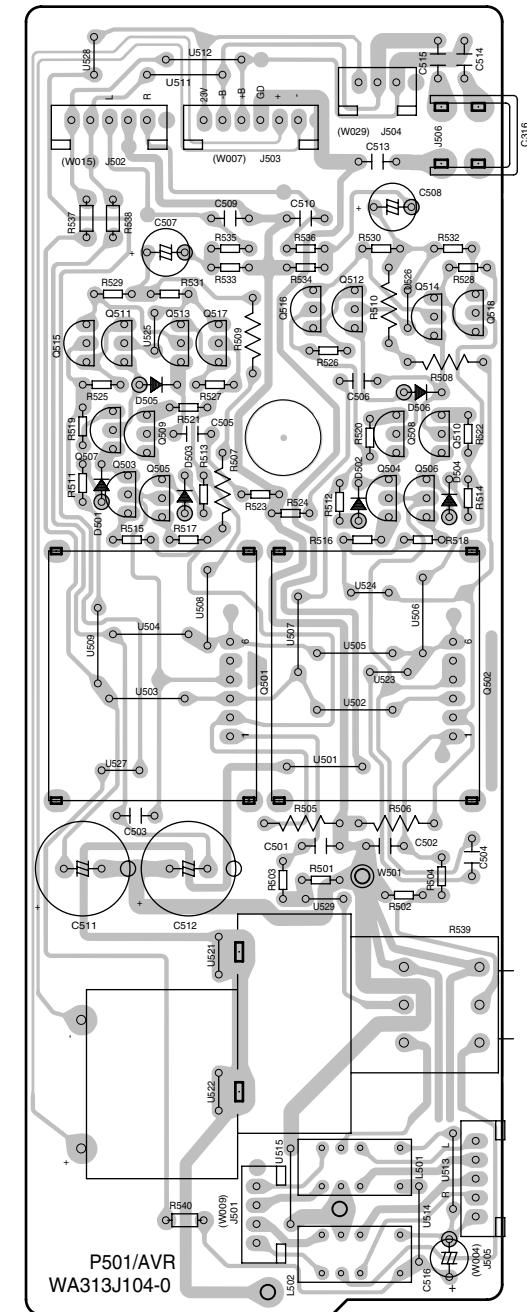
**Q301**

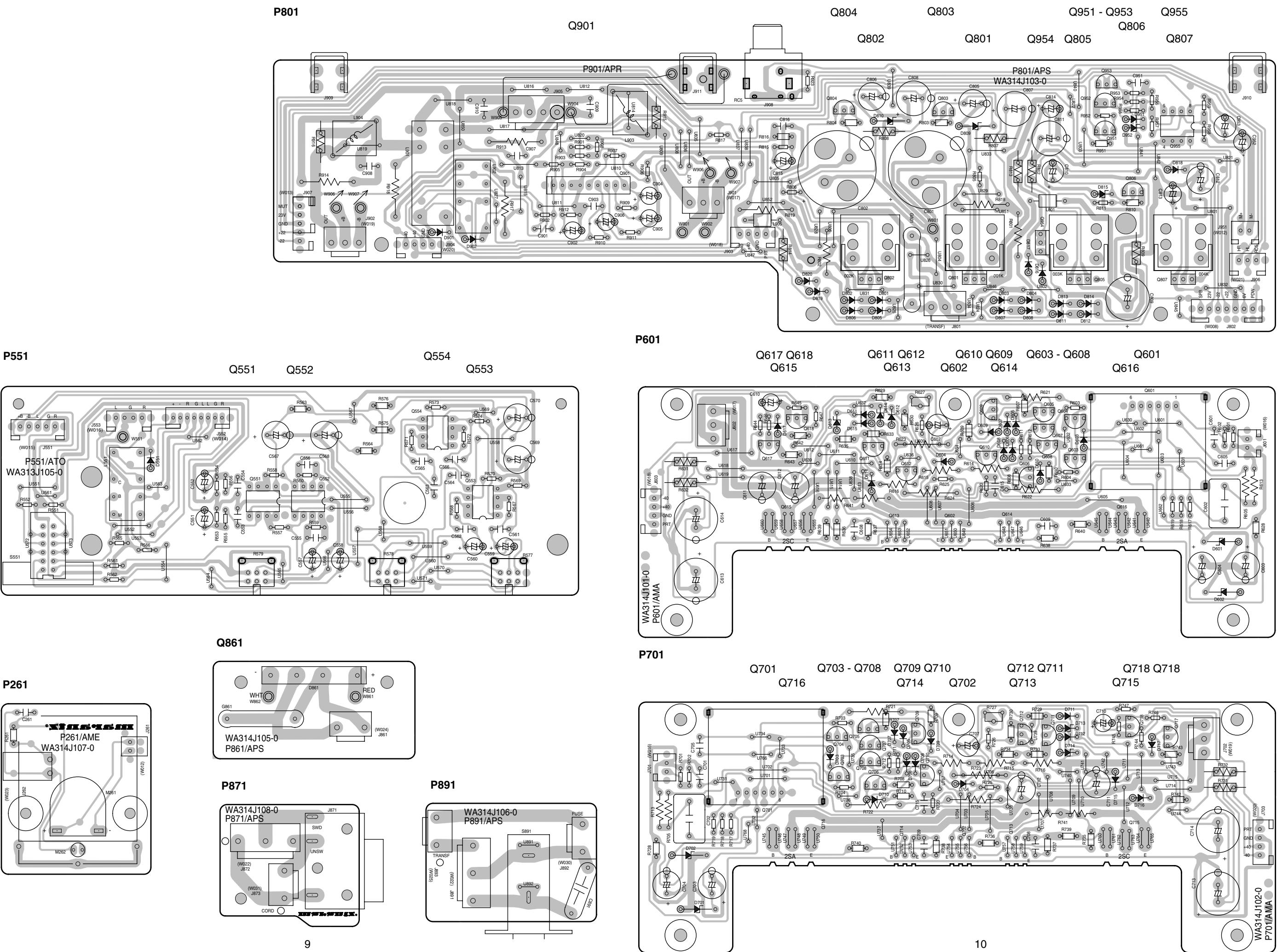


**P501**

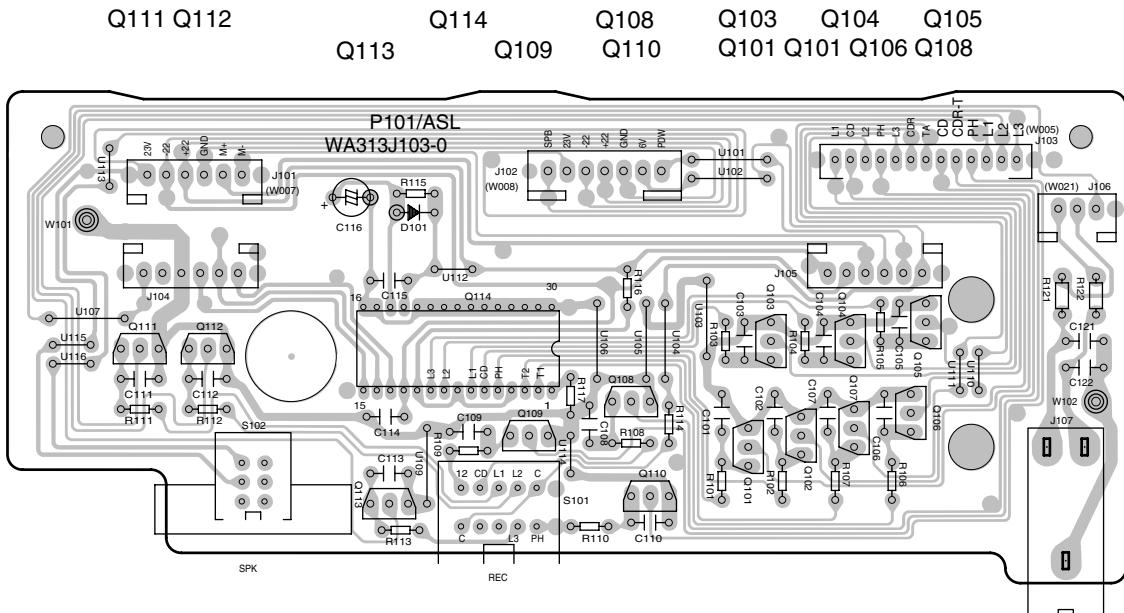
Q503 - Q517  
(Odd number)  
Q501

Q504 - Q518  
(Even number)  
Q502

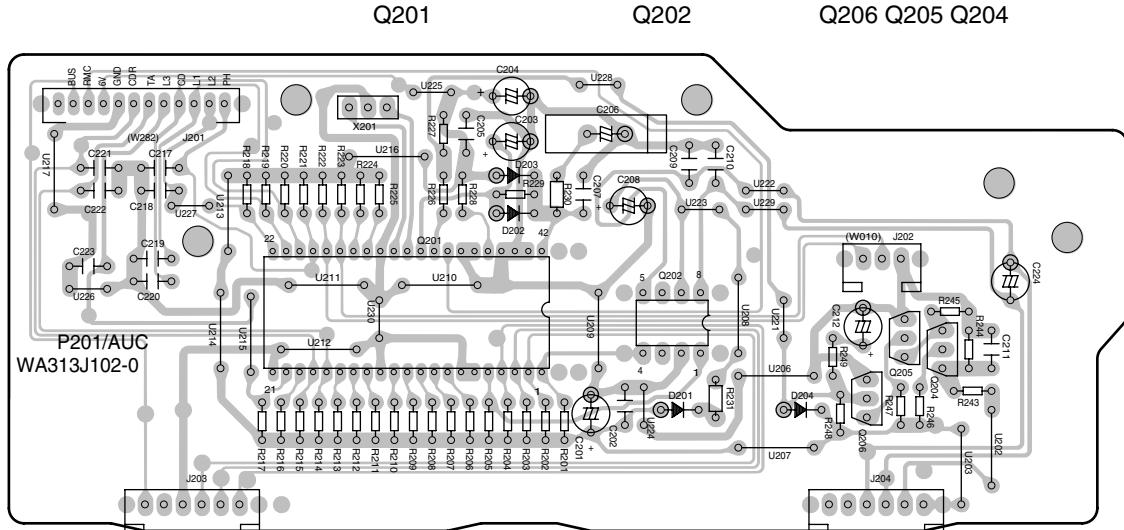




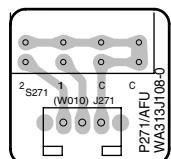
P101



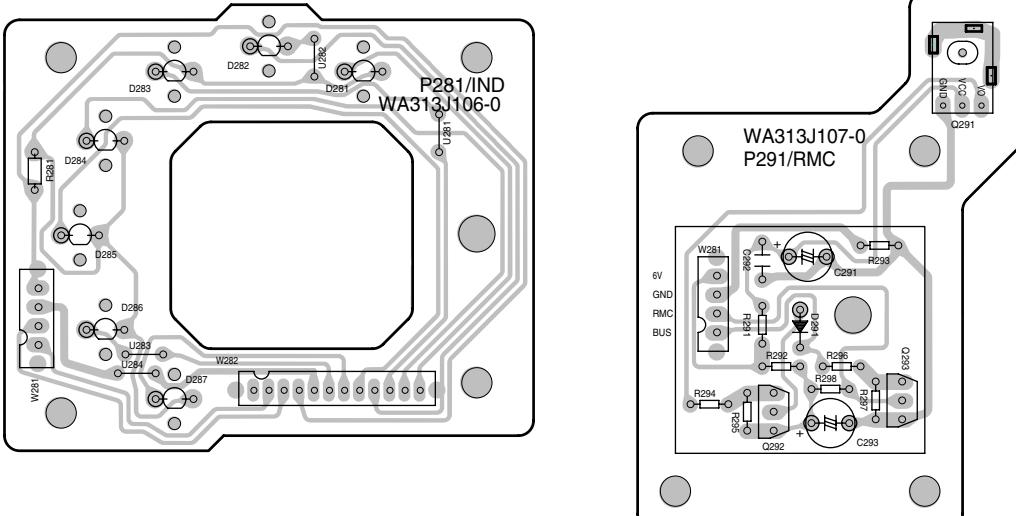
P201



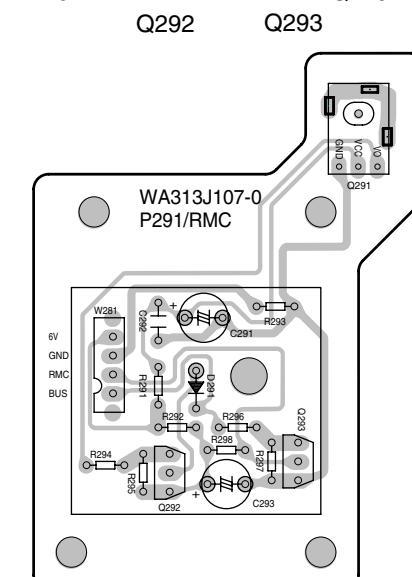
P271



P281

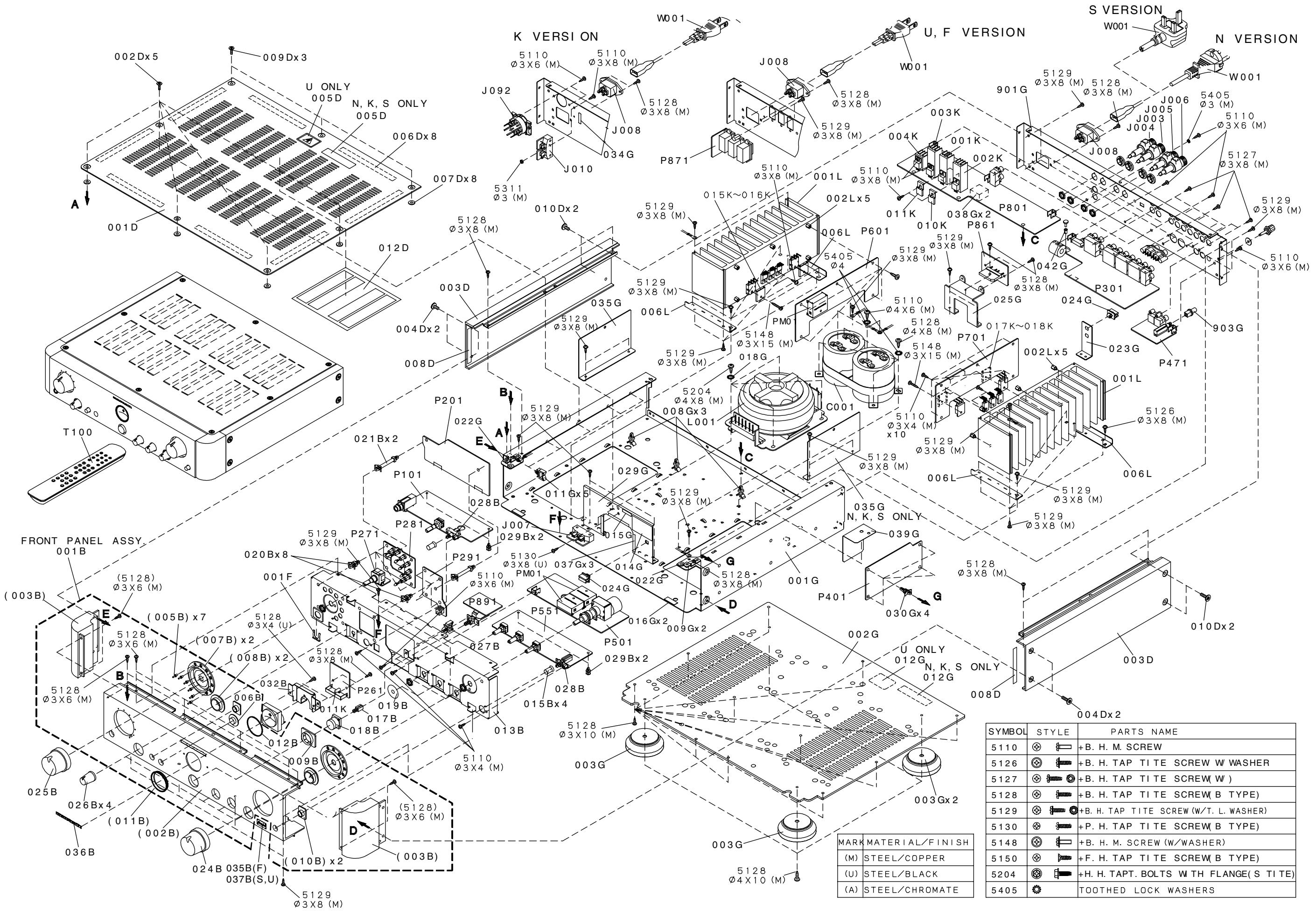


P291



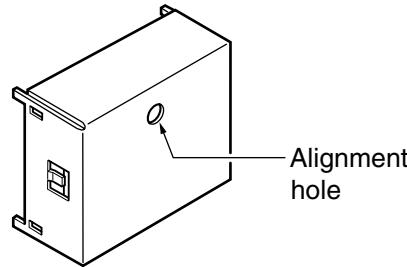
## 6. EXPLODED VIEW AND PARTS LIST

POS. NO.	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO.	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
001B	/F1N		FRONT PANEL ASSY PM-17SA GOLD HAIR	313J248510	J002		4822 290 81671	TERMINAL 2P RCA PIN GL	YT02021240
001B	/K1G, /S1G	9965 000 01834	FRONT PANEL ASSY PM-17SA GOLD BLAST	313J248550	J003		4822 265 11424	TERMINAL WBT-0745 POLE TERMINA+E34L RED	YT01010360
001B	/N1G	9965 000 01814	FRONT PANEL ASSY PM-17MK2 GOLD BLAST	313J248530	J004		4822 265 11425	TERMINAL WBT-0745 POLE TERMINAL WHT	YT01010370
001B	/N1B	9965 000 01814	FRONT PANEL ASSY PM-17MK2 BLACK BLAST	313J248520	J005		4822 265 11424	TERMINAL WBT-0745 POLE TERMINAL RED	YT01010360
001B	/U1B		FRONT PANEL ASSY PM-17SA BLACK BLAST	313J248540	J006		4822 265 11425	TERMINAL WBT-0745 POLE TERMINAL WHT	YT01010370
003B	GOLD	4822 426 10497	ESCUTCHEON GOLD	269J063110	▲ J007	/F, /K, /U		JACK FUSE HOLDER 10A 250V 31.8MM	YJ08000600
003B	BLACK	4822 426 10496	ESCUTCHEON BLACK	269J063010	J007	/N, /S	4822 267 31818	JACK FUSE HOLDER H201 20MM	YJ08000610
015B	GOLD	4822 410 63898	BUTTON FOR S.D/SPEAKER GOLD	144J270010	▲ J008		4822 265 11399	JACK AC INLET SOT-16C	YJ04002360
015B	BLACK	4822 410 10227	BUTTON FOR S.D/SPEAKER BLACK	144J270110	▲ J010	/K	4822 267 31818	JACK FUSE HOLDER H201 20MM	YJ08000610
017B		4822 404 21012	JOINT LINK	025J125010	J092	/K		VOLTAGE SELECT. 2POLE-2POSITION	BY05080060
018B	GOLD	4822 410 11276	POWER BUTTON GOLD	176J270150	J099	/K		JACK MAINS ADAPTER	YJ04001240
018B	BLACK	4822 410 11275	POWER BUTTON BLACK	176J270050	▲ L001	/F		MAINS TRANSFORMER	TS42002120
024B	GOLD	9965 000 01550	KNOB FOR MAS.VOL GOLD	313J154110	▲ L001	/K		MAINS TRANSFORMER	TS42002140
024B	BLACK	9965 000 01549	KNOB FOR MAS.VOL BLACK	313J154010	▲ L001	/N, /S	9965 000 01558	MAINS TRANSFORMER	TS42002130
025B	GOLD	9965 000 01552	KNOB FOR INPUTSEL GOLD	313J154120	▲ L001	/U		MAINS TRANSFORMER	TS42002150
025B	BLACK	9965 000 01551	KNOB FOR INPUTSEL BLACK	313J154020	L002		4822 526 10691	FERRITE CORE TFCK-16-8-13	FC50160030
026B	GOLD	4822 410 12036	KNOB FOR BAL/TONE/REC GOLD	289J154140	▲ W001	/F		MAINS CORD MITY DC-302-J 12A	ZC01802080
026B	BLACK	4822 410 12035	KNOB FOR BAL/TONE/REC BLACK	289J154040	▲ W001	/K		MAINS CORD 2P	ZC01803090
035B	/F	9965 000 01554	SUPER AUDIO BADGE	318J251010	▲ W001	/N	4822 321 11439	10A 250V	ZC01803080
036B	GOLD	9965 000 01554	NEW MARANTZ BADGE GL	313J251110	▲ W001	/S		MAINS CORD 2P	ZC01804070
036B	BLACK	9965 000 01553	NEW MARANTZ BADGE BL	313J251010	▲ W001	/U		10A 250V CLASS2	ZC01803100
037B	/S, /U		S A BADGE	313J251020				MAINS CORD	
001D	GOLD	4822 442 01018	TOP LID GOLD	269J257110				MAINS CORD UL/CSA	
001D	BLACK	4822 442 01017	TOP LID BLACK	269J257010				10A 125V	
002D	GOLD	4822 502 14425	SCREW FOR TOP LID GOLD	323S010020				PACKING	
002D	BLACK	4822 502 21693	SCREW FOR TOP LID BLACK	323S010030				USER GUIDE PM-17SA	313J851110
003D	GOLD	4822 426 10499	SIDE PANEL GOLD	269J249110				USER GUIDE PM-17SA	313J851350
003D	BLACK	4822 426 10498	SIDE PANEL BLACK	269J249010				USER GUIDE PM-17MK2	313J851310
004D	GOLD	4822 502 14425	SCREW FOR SIDE PANEL FRONT GL	323S010020	001T	/F, /K, /S	9965 000 01555	USER GUIDE PM-17SA	313J851250
004D	BLACK	4822 502 21693	SCREW FOR SIDE PANEL FRONT BL	323S010030	001T	/N, /U	9965 000 01556	REMOTE COMMANDER RC-17MK2PM	ZK313J0010
009D	GOLD	4822 502 14462	SCREW FOR TOP LID REAR GOLD	318K010020					
009D	BLACK	4822 502 14461	SCREW FOR TOP LID REAR BLACK	318K010030					
010D	GOLD	4822 502 14462	SCREW FOR SIDE PANEL REAR GL	318K010020					
010D	BLACK	4822 502 14461	SCREW FOR SIDE PANEL REAR BL	318K010030					
002G			LID BOTTOM LID	313J257020					
003G		4822 462 42134	LEG LEG	291K057010					
903G		4822 410 60343	BUTTON FOR MM/MC SEL.SW.	058J270030					
▲ C001		9965 000 01557	ELECT 15000μF 63V X2 FOR AUDIO	EI15906350					
▲ F001	/F		FUSE 10A 250V MITI GRU	FS11000570					
▲ F001	/K, /N, /S	4822 070 35002	FUSE 5A 250V BS LISTED	FS10500850					
▲ F001	/U		FUSE 10A 250V	FS11000530					
▲ F002	/K		FUSE T5A 250V BS	FS10500850					
					001S	/F, /U		NOT STANDARD SPARE PARTS	
					002S			PACKING CASE PM-17SA	313J801010
					003S			CUSHION FOR LEFT	314J809010
								CUSHION FOR RIGHT	314J809020



## 7. DC OFFSET VOLTAGE ALIGNMENT

- Before switching the mains switch. Turn down the master volume to the minimum position and set the balance volume and tone volumes at the center positions. Set variable resistors R627(on the PCB P601:L ch) and R727(on the PCB P701:R ch) fully counterclockwise.
- Connect the digital voltage meter to the speaker terminal. And set the digital voltage meter for the DC position.
- Turn the mains switch ON. Put thin adjustment screw driver in to the hole of the HDAM (Q601:L ch / Q701:R ch) copper cover. Adjust variable resistors in the HDAM (Q601:L ch / Q701:R ch) value at  $0mV \pm 3mV$  with in 10 seconds after speaker relay turn ON.

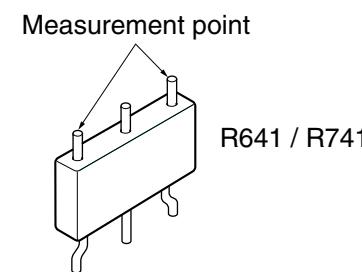


## 8. IDLING CURRENT ALIGNMENT

### REMARK

Before "Idling current alignment", "DC offset voltage alignment" have to be done!!

- Each of cement resistor R641(on the PCB P601:Lch) and cement resistor R741(on the PCB P701:Rch) are provided with three test points. Connect the digital voltage meter, set for the DC voltage input, to the test points at the two extremities of three test points of R641(L ch) and R741(R ch).
- After the setup above, turn the mains switch ON and heat up the amplifier about 10 minutes.
- Adjust variable resistors R627(on the PCB P601:L ch) and R727(on the PCB P701:R ch) according to the digital volt meter reading. The target setting value is  $9mV \pm 1mV$ (45mA) for both L ch and R ch.



## DC オフセット電圧調整

- 本体の電源スイッチを入れるまえに、ボリュームを最小に、バランス及びトーンコントロールをセンターに合わせます。P601基板上のR627 (L ch)及びP701基板上のR727 (R ch)の半固定抵抗を反時計回りにしほりります。
- 本体背面のスピーカー端子にデジタルボルトメータを接続します。(レンジはDCに設定する。)
- HDAM(Q601 : L ch/Q701 : R ch)のカバーにあいた穴に調整用ドライバーをさし込み、中の半固定抵抗を回せるようにします。電源スイッチをオンにし、スピーカーリレーがオンになってから10秒以内に半固定抵抗を回しデジタルボルトメータの値が $0mV \pm 3mV$ になるように調整します。

## 9. ELECTRICAL PARTS LIST

### ASSIGNMENT OF COMMON PARTS CODES.

#### RESISTORS

R\*\*\* 1) GD05×××140, Carbon film fixed resistor,  $\pm 5\%$  1/4W  
R\*\*\* 2) GD05×××160, Carbon film fixed resistor,  $\pm 5\%$  1/6W

① — Resistance value

Examples ;

① Resistance value  
0.1Ω ... 001 10Ω ... 100 1kΩ ... 102 100kΩ ... 104  
0.5Ω ... 005 18Ω ... 180 2.7kΩ ... 272 680kΩ ... 684  
1Ω ... 010 100Ω ... 101 10kΩ ... 103 1MΩ ... 105  
6.8Ω ... 068 390Ω ... 391 22kΩ ... 223 4.7MΩ ... 475

Note : Please distinguish 1/4W from 1/6W by the shape of parts used actually.

#### CAPACITORS

C\*\*\*: CERAMIC CAP.

3) DD1×××370, Ceramic capacitor  
Disc type  
Temp.coeff.P350 ~N1000, 50V

Capacity value  
Tolerance

Examples ;

② Tolerance (Capacity deviation)  
 $\pm 0.25\text{ pF}$  ... 0  
 $\pm 0.5\text{ pF}$  ... 1  
 $\pm 5\%$  ... 5

\* Tolerance of COMMON PARTS handled here are as follows :

0.5pF ~ 5pF ...  $\pm 0.25\text{ pF}$   
6pF ~ 10pF ...  $\pm 0.5\text{ pF}$   
12pF ~ 560pF ...  $\pm 5\%$

③ Capacity value  
0.5pF ... 005 3pF ... 030 100pF ... 101  
1pF ... 010 10pF ... 100 220pF ... 221  
1.5pF ... 015 47pF ... 470 560pF ... 561

C\*\*\* : CERAMIC CAP.

4) DK16×××300, High dielectric constant ceramic capacitor  
Disc type  
Temp.chara. 2B4, 50V

Capacity value

Examples ;  
④ Capacity value  
100pF ... 101 1000pF ... 102 10000pF ... 103  
470pF ... 471 2200pF ... 222

C\*\*\*: 5) ELECTROLY CAP. ( ), 6) FILM CAP. ( )

5) EA××××××10, Electrolytic capacitor  
One-way lead type, Tolerance  $\pm 20\%$

Working voltage  
Capacity value

Examples ;

⑤ Capacity value  
0.1μF ... 104 4.7μF ... 475 100μF ... 107  
0.33μF ... 334 10μF ... 106 330μF ... 337  
1μF ... 105 22μF ... 226 1100μF ... 118  
2200μF ... 228

⑥ Working voltage

6.3V ... 006 25V ... 025  
10V ... 010 35V ... 035  
16V ... 016 50V ... 050

6) DF15×××350 → Plastic film capacitor  
DF15×××310 → One-way type, Mylar  $\pm 5\%$  50V  
DF16×××310 → Plastic film capacitor  
One-way type, Mylar  $\pm 10\%$  50V

Capacity value

Examples ;  
⑦ Capacity value  
0.001μF(1000pF) ... 102 0.1μF ... 104  
0.0018μF ... 182 0.56μF ... 564  
0.01μF ... 103 1μF ... 105  
0.015μF ... 153

NOTE : 1) The above CODES ( R\*\*\*, R\*\*\*, C\*\*\*, C\*\*\* and C\*\*\* ) are omitted on the schematic diagram in some case.

2) On the occasion, be confirmed the common parts on the parts list.

3) Refer to "Common Parts List" for the other common parts (RI05, DD4, DK4).

### NOTE ON SAFETY FOR FUSIBLE RESISTOR :

The suppliers and their type numbers of fusible resistors are as follows;

Part No. (MJI)	Type No. (KOA)	Description
NH05×××140	RF25S××××ΩJ	( $\pm 5\%$ 1/4W)
NH05×××120	RF50S××××ΩJ	( $\pm 5\%$ 1/2W)
NH85×××110	RF73B2A××××ΩJ	( $\pm 5\%$ 1/10W)
NH95×××140	RF73B2E××××ΩJ	( $\pm 5\%$ 1/4W)

① — Resistance value  
\* Resistance value (0.1Ω - 10kΩ)

Part No. (MJI)	Type No. (MEC)	Description
NF05×××140	ERD-2FCJ×××	( $\pm 5\%$ 1/4W)
NF05×××140	ERD-2FCG×××	( $\pm 2\%$ 1/4W)
RF02×××140	ERD-2FCG×××	(*Resistance value)

\* Resistance value (0.1Ω - 10kΩ)

Part No. (MJI)	Type No. (MEC)	Description
NF05×××140	ERD-2FCJ×××	( $\pm 5\%$ 1/4W)
NF02×××140	ERD-2FCG×××	( $\pm 2\%$ 1/4W)
RF02×××140	ERD-2FCG×××	(*Resistance value)

\* Resistance value (0.1Ω - 10kΩ)

## ABBREVIATION AND MARKS

ANT.	: ANTENNA	BATT.	: BATTERY
CAP.	: CAPACITOR	CER.	: CERAMIC
CONN.	: CONNECTING	DIG.	: DIGITAL
HP	: HEADPHONE	MIC.	: MICROPHONE
μ-PRO	: MICROPROCESSOR	REC.	: RECORDING
RES.	: RESISTOR	SPK.	: SPEAKER
SW	: SWITCH	TRANSF.	: TRANSFORMER
TRIM.	: TRIMMING	TRS.	: TRANSISTOR
VAR.	: VARIABLE	X'TAL	: CRYSTAL

### NOTE ON SAFETY :

Symbol Fire or electrical shock hazard. Only original parts should be used to replaced any part marked with symbol . Any other component substitution (other than original type), may increase risk of fire or electrical shock hazard.

### 安全上の注意 :

がついている部品は、安全上重要な部品です。必ず指定されている部品番号の部品を使用して下さい。

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
C101 S		9965 000 01569	P101-SW & HP CIRCUIT BOARD P101-CAPACITORS		Q201		9965 000 01584	MICROPROCESSOR 4BIT 2K TMP47C200BN-1A68(Z)	HU313JT000
C113		4822 122 40617	CER. 0.01µF +80%-20% DC50V	DD38103010	Q202		4822 209 73287	IC LB1630	HC10235030
C114		9965 000 01569	CER. 0.1µF +80%-20% DC50V	DD38103010	Q204		4822 130 60839	TRS. 2SC2458 Y OR GR	HT324582B0
C115		4822 124 41534	ELECT. 10µF M 25V RA-2	OA10602520	Q205		4822 130 60839	TRS. 2SC2458 Y OR GR	HT324582B0
C116	/K,/S	4822 124 12276	FILM 0.01µF ± 5%	OF15103540	Q206		4822 130 60839	TRS. 2SC2458 Y OR GR	HT324582B0
C121	/N	4822 124 12276	FILM 0.01µF ± 5%	OF15103540	X201		4822 242 72527	P201-MISCELLANEOUS CERAMIC VIB. CERALOCK CST4.00MGW	FQ04004030
R121		4822 052 10479	P101-RESISTORS 47Ω ±5%1/6W	GG05470160	C261		4822 122 40617	P261-METER & LAMP CIRCUIT BOARD CER. 0.1µF +8%-20% DC50V	DD38104010
R122		4822 052 10479	47Ω ±5%1/6W	GG05470160	M261		4822 344 14034	D.C METER MG-28	IM11030030
<b>R***</b>			P101-RESISTORS (COMMON) CARBON FILM FIXED RES. ±5% 1/6W : R101-R117		M262		4822 134 40925	LAMP 8V 100mA DC IGN.BLUE	IN10080680
					▲ R261		4822 052 10109	10Ω ±5%1/6W	GG05100160
D101		4822 130 32362	P101-SEMICONDUCTORS DIODE 1SS176 MA165 1SS254 30V 0.1A	HD20002000	R271		4822 050 21021	P271-FUNCTION SELECTOR CIRCUIT BOARD 100Ω ±5%1/4W	GG05101140
Q101 S		4822 130 60588	DIG.TRS.	BA20001000	S271		4822 273 20368	ROTARY SW. SRRSIC	SR01120070
Q113		4822 130 60588	DTC114ES UN4211 10k 10k					P281-INDICATOR LED CIRCUIT BOARD	
Q114		4822 209 32553	IC LC7822N	HC10309030	D281		4822 130 80326	L.E.D. LT3D8B RED 30	HI10062320
J107	GOLD	4822 267 31692	P101-MISCELLANEOUS JACK HLJ0540-01-410 GRY	YJ01003880	D282		4822 130 80326	L.E.D. LT3D8B RED 30	HI10062320
J107	BLACK	9965 000 11662	JACK HLJ0540-01-410 BLK	YJ01003870	D283		4822 130 80326	L.E.D. LT3D8B RED 30	HI10062320
S101		9965 000 01579	ROTARY SW. SRBM16N-F1020	SR01060100	D284		4822 130 80326	L.E.D. LT3D8B RED 30	HI10062320
S102		9965 000 01580	PUSH SW. SPUP12-2N-*W2	SP02012290	D285		4822 130 80326	L.E.D. LT3D8B RED 30	HI10062320
			P201-U-COM CIRCUIT BOARD P201-CAPACITORS		▲ R281		4822 052 10681	680Ω ±5%1/6W	GG05681160
C201		4822 124 41534	ELECT. 10µF M 25V RA-2	OA10602520				P291-IR SENSOR CIRCUIT BOARD	
C202		4822 122 40617	CER. 0.1µF +8%-20% DC50V	DD38104010	C291		9965 000 00603	ELECT 47µF 10V	EG47601050
C203		4822 124 41534	ELECT. 10µF M 25V RA-2	OA10602520	C292		4822 122 40617	CER. 0.1µF +8%-20% DC50V	DD38104010
C204		4822 124 41534	ELECT. 10µF M 25V RA-2	OA10602520	C293		9965 000 00603	ELECT 47µF 10V	EG47601050
C205		4822 122 40617	CER. 0.1µF +8%-20% DC50V	DD38104010	D291		4822 130 32362	DIODE 1SS176 MA165 1SS254 30V 0.1A	HD20002000
C206		4822 124 90406	BIG ELECT FMOH223ZTP16	EX22300530					
C207		4822 122 40617	CER. 0.1µF +8%-20% DC50V	DD38104010	Q291		4822 209 16735	PHOTO UNIT PNA4655M00HB	HW10006020
C208		4822 124 41534	ELECT. 10µF M 25V RA-2	OA10602520	Q292		4822 130 60107	IR SENSOR	
C209		9965 000 01569	CER. 0.01µF +80%-20% DC50V	DD38103010	Q293		4822 130 60839	TRS. 2SA1048 Y OR GR	HT110482B0
C210		9965 000 01569	CER. 0.01µF +80%-20% DC50V	DD38103010				TRS. 2SC2458 Y OR GR	HT324582B0
C211		9965 000 01569	CER. 0.01µF +80%-20% DC50V	DD38103010					
C212		4822 124 41534	ELECT. 10µF M 25V RA-2	OA10602520					
C217 S		9965 000 01569	CER. 0.01µF +80%-20% DC50V	DD38103010					
C223		4822 124 11947	ELECT 10µF 16V	EQ10601630				P301-INPUT JACK CIRCUIT BOARD P301-CAPACITORS	
R230		4822 052 10479	P201-RESISTORS 47Ω ±5%1/6W	GG05470160	C301 S		4822 124 41543	ELECT. 1µF M 50V RA-2	OA10505020
R231		4822 052 10228	2.2Ω ±5%1/6W	GG05022160	C312				
<b>R***</b>			P201-RESISTORS (COMMON) CARBON FILM FIXED RES. ±5% 1/6W : R201-R227 R228 R229 R246-249 R291-R298		C313		9965 000 01581	ELECT. 22µF M 25V RA-2	OA22602520
					C314		9965 000 01581	ELECT. 22µF M 25V RA-2	OA22602520
			P201-SEMICONDUCTORS		C315		4822 124 41535	ELECT. 100µF M 25V RA-2	OA10702520
D201		4822 130 32362	DIODE 1SS176 MA165 1SS254 30V 0.1A	HD20002000	C316		4822 124 41535	ELECT. 100µF M 25V RA-2	OA10702520
D203					C317				
D204					C319		4822 122 40617	CER. 0.1µF +80%-20% DC50V	DD38104010
					C320				
					C333 S		9965 000 01344	FILM 100pF ±5%100V	OF15101540
					C348 S		9965 000 01569	CER. 0.01µF +80%-20% DC50V	DD38103010
					C349				

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	
C350 C351   C354 C355   C361		9965 000 01569 9965 000 01344 9965 000 01569	CER. 0.01µF +80%-20% DC50V FILM 100pF ±5%100V CER. 0.01µF +80%-20% DC50V	DD38103010 OF15101540 DD38103010	▲ R435   ▲ R438 R439  R***		4822 052 10101 4822 052 10109	100Ω ±5%1/6W 10Ω ±5%1/6W  <b>P401-RESISTORS (COMMON)</b> CARBON FILM FIXED RES. ±5% 1/6W : R401-R404 R409-R434 R471 R472		GG05101160 GG05100160
R323 R324 R325		4822 052 10228 4822 052 10471 4822 052 10471	2.2Ω ±5%1/6W 470Ω ±5%1/6W 470Ω ±5%1/6W	GG05022160 GG05471160 GG05471160	D401   D410		4822 130 32362	<b>P401-SEMICONDUCTORS</b> DIODE 1SS176 MA165 1SS254 30V 0.1A	HD20002000	
R***			<b>P301-RESISTORS (COMMON)</b> CARBON FILM FIXED RES. ±5% 1/6W : R301-R322		Q401   Q404 Q405   Q408 Q409   Q412 Q413		4822 130 43547 4822 130 42949	F.E.T. 2SK369 V VGDS-40V PD0.4W  TRS. 2SA970 GR OR BL	HF203691V0 HT109702A0	
D351		4822 130 32362	<b>P301-SEMICONDUCTORS</b> DIODE 1SS176 MA165 1SS254 30V 0.1A	HD20002000	L401		4822 130 43233	TRS. 2SC2240 GR OR BL	HT322402A0	
Q301		4822 209 16926	IC OPA2604AP BURR-BROWN	HC10008610			4822 209 81565	IC NJM-2041-DD	HC10026090	
J301		4822 290 81598	<b>P301-MISCELLANEOUS</b> TERMINAL 2P RCA JACK YKC21-3255 GOLD	YT02021130			4822 120 70437	<b>P401-MISCELLANEOU</b> RELAY ED2-24	LY20240470	
J302 J303 J304 J351		4822 290 81599 4822 290 81599 4822 290 81599 4822 290 81599	TERMINAL YKC21-3269 GOLD TERMINAL YKC21-3269 GOLD TERMINAL YKC21-3269 GOLD TERMINAL YKC21-3269 GOLD	YT02040970 YT02040970 YT02040970 YT02040970			9965 000 01570	RELAY ED2-24	LY20240470	
L301   L312 L351		9965 000 01570 9965 000 01576	RELAY ED2-24 RELAY MR82-24USR	LY20240470 LY20240480	C471 C472 C473 C474		4822 121 70437 4822 121 70437 9965 000 01569 9965 000 01569	<b>P471-PHONO RCA JACK</b> <b>CIRCUIT BOARD</b> <b>P471-CAPACITORS</b>	OF15102540 OF15102540 DD38103010 DD38103010	
S351		9965 000 01582	SLIDE SW. SSSU12	SS02020950			4822 290 81638	<b>P471-MISCELLANEOUS</b> TERMINAL 14X14 RA 1L1P BLK AU FLM-GND	YT02010790	
C401 C402 C403 C404 C409 C410 C411 C412 C413 C414 C415 C416 C417   C420		9965 000 01560 9965 000 01560 9965 000 01567 9965 000 01567 4822 124 12276 4822 124 12276 4822 121 70437 4822 121 70437 4822 124 81151 4822 124 81151 9965 000 01568 9965 000 01568 4822 124 90365	<b>P401-PHONO AMP</b> <b>CIRCUIT BOARD</b> <b>P401-CAPACITORS</b> FILM 270pF ±5%100V OFC FILM 270pF ±5%100V OFC ELECT. 100µF 10V ARA ELECT. 100µF 10V ARA FILM 0.01µF ± 5% FILM 0.01µF ± 5% FILM 1000pF ±5%100V APSV FILM 1000pF ±5%100V APSV ELECT. 22µF 25V ARA ELECT. 22µF 25V ARA FILM 1500pF ±5%100V APSV FILM 1500pF ±5%100V APSV ELECT. 220µF M 25V RA-2	OF55271540 OF55271540 OA10701050 OA10701050 OF15103540 OF15103540 OF15102540 OF15102540 OA22602550 OA22602550 OF15152540 OF15152540 OA22702520	S471 U473 U474	/K,/N,/S /K,/N,/S /K,/N,/S	4822 276 13409 4822 158 60606 4822 158 60606	<b>P501-MASTER VOL. &amp; AMP</b> <b>CIRCUIT BOARD</b> <b>P501-CAPACITORS</b>	SP04010660 LC12030050 LC12030050	
C421 C422 C423 C424		4822 122 40617 4822 122 40617 4822 122 40617 4822 124 41543	CER. 0.1µF DC50V +80 -20% CER. 0.1µF DC50V +80 -20% CER. 0.1µF DC50V +80 -20% ELECT. 1µF M 50V RA-2	DD38104010 DD38104010 DD38104010 OA10505020	C501 C502 C503 C504 C505 C506 C507 C507 C508 C508 C511 C512 C513 C514 C515 C516		9965 000 01560 9965 000 01560 9965 000 01585 9965 000 01585 9965 000 01586 9965 000 01586 9965 000 02015 9965 000 02015 9965 000 02015 4822 124 90051 4822 124 90051 9965 000 01569 9965 000 01569 9965 000 01569 4822 124 41543	ELECT. 22µF 25V ARA ELECT. 22µF 25V ARS ELECT. 22µF 25V ARA ELECT. 22µF 25V ARS ELECT. 220µF M 25V ARA ELECT. 220µF M 25V ARA CER. 0.01µF +80%-20% DC50V CER. 0.01µF +80%-20% DC50V CER. 0.01µF +80%-20% DC50V ELECT. 1µF M 50V RA-2	OA22602550 OA22602540 OA22602550 OA22602540 OA22702550 OA22702550 DD38103010 DD38103010 DD38103010 OA10505020	
C***			<b>P401-CAPACITORS (COMMON)</b> PLASTIC FILM CAPACITOR ±5% 50V : C504-C408		R505 R506		9965 000 01565 9965 000 01565	<b>P501-RESISTORS</b> 68Ω ± 1% 1/4W ERD 68Ω ± 1% 1/4W ERD	NR01680140 NR01680140	
R405   R408		9965 000 01571	<b>P401-RESISTORS</b> 100Ω ± 1% 1/6W	GM11610000						

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
R507 S		4822 111 20413	220Ω ± 1% 1/4W ERD	NR01221140	R579		4822 100 30138	VAR. 100kΩ MN FOR BALANCE VOLUME	RM01041310
R510		4822 052 10479	47Ω ± 5% 1/6W	GG05470160	R***			P551-RESISTORS (COMMON)	
R537		4822 052 10479	47Ω ± 5% 1/6W	GG05470160				CARBON FILM FIXED RES.	
R538		4822 052 10479	47Ω ± 5% 1/6W	RM03030050				±5% 1/6W : R551-R562	
R539		9965 000 01587	VAR. RK18112MC-30K DX2					R565-R574	
R540		4822 052 10228	2.2Ω ± 5% 1/6W	GG05022160				P551-SEMICONDUCTORS	
R***			P501-RESISTORS (COMMON)		D551		4822 130 32362	DIODE 1SS176 MA165 1SS254	HD20002000
			CARBON FILM FIXED RES. ±5% 1/6W : R501-R505 R511-R536		Q551 S		4822 209 81565	30V 0.1A	HC10026090
D501 S			P501-SEMICONDUCTORS		Q554			IC NJM-2041-DD	
		4822 130 32362	DIODE 1SS176 MA165 1SS254	HD20002000	L551		9965 000 01576	P551-MISCELLANEOUS	
D506			30V 0.1A		S551		4822 276 13065	RELAY MR82-24USR	LY20240480
Q501			IC NEW HDAM	KH313J1010				PUSH SW. SPUP24V1A	
Q502			IC NEW HDAM	KH313J1010				STROK=2MM NON-SHORT	SP04010650
Q503 S		4822 130 62649	F.E.T. 2SJ74 BL	HF100741G0				P601-POWER AMP L	
Q506			VGDS=25V PD=24W					CIRCUIT BOARD	
Q507		4822 130 42949	TRS. 2SA970 GR OR BL	HT109702A0	C601		9965 000 01560	P601-CAPACITORS	
Q508		4822 130 42949	TRS. 2SA970 GR OR BL	HT109702A0	C602		4822 121 10867	FILM 270pF ±5%100V OFC	OF55271540
Q509		4822 130 43233	TRS. 2SC2240 GR OR BL	HT322402A0	C603		4822 124 90365	FILM 0.1μF ±5%100V OFC	OF55104540
Q510		4822 130 43233	TRS. 2SC2240 GR OR BL	HT322402A0	C604		4822 124 90365	ELECT. 220μF M 25V RA-2	OA22702520
Q511		4822 130 42949	TRS. 2SA970 GR OR BL	HT109702A0	C605		9965 000 01561	ELECT. 220μF M 25V RA-2	OA22702520
Q512		4822 130 42949	TRS. 2SA970 GR OR BL	HT109702A0	C606	/F,/U	9965 000 02015	MICA 10pF ± 0.5pF 500V FE	DF31100520
Q513		4822 130 43233	TRS. 2SC2240 GR OR BL	HT322402A0	C607	/K,/N,/S	4822 124 12276	ELECT. 10μF M 100V RA-2	OA10610020
Q514		4822 130 43233	TRS. 2SC2240 GR OR BL	HT322402A0	C608		4822 124 12276	ELECT. 22μF M 25V ARS	OA22602540
Q515		4822 130 43283	TRS. 2SC2705 O OR Y	HT327052A0	C609		4822 124 22273	FILM 0.01μF ± 5%	OF15103540
Q516		4822 130 43283	TRS. 2SC2705 O OR Y	HT327052A0	C610		4822 124 22273	ELECT. 0.47μF M 50V RA-2	OA47405020
Q517		4822 130 42999	TRS. 2SA1145 O OR Y	HT111452A0	C611		9965 000 01562	ELECT 10μF M 50V RA2BP	EQ10605090
Q518		4822 130 42999	TRS. 2SA1145 O OR Y	HT111452A0	C612		9965 000 01562	ELECT 10μF M 50V RA2BP	EQ10605090
L501			P501-MISCELLANEOUS		C613	/F,/U	9965 000 02014	ELECT. 330μF M 50V RA-2	OA33705020
L502		9965 000 01570	RELAY ED2-24	LY20240470	C614	/K,/N,/S	4822 124 08067	ELECT. 220μF M 50V ARS	OA22705040
		9965 000 01570	RELAY ED2-24	LY20240470	C615		4822 124 08067	ELECT. 330μF M 50V RA-2	OA33705020
							9965 000 01564	ELECT. 220μF M 50V ARS	OA22705040
			P551-TONE AMP					FILM 680pF ±5%100V OFC	OF55681540
			CIRCUIT BOARD						
C551		5322 124 21731	P551-CAPACITORS		R605		4822 111 20413	P601-RESISTORS	
			ELECT. 10μF M 50V RA-2	OA10605020	▲ R607		4822 052 10102	220Ω ± 1% 1/4W ERD	NR01221140
C552		5322 124 21731	ELECT. 10μF M 50V RA-2	OA10605020	▲ R608		4822 052 10102	1kΩ ±5%1/6W	GG05102160
C553		9965 000 01560	FILM 270pF ±5%100V OFC	OF55271540	▲ R609		4822 111 31001	1kΩ ±5%1/6W	GG05102160
C554		9965 000 01560	FILM 270pF ±5%100V OFC	OF55271540	▲ R610		4822 111 31001	330Ω ±5%1/6W	GG05331160
C555		9965 000 01344	FILM 100pF ±5%100V	OF15101540	R611		9965 000 01565	330Ω ±5%1/6W	GG05331160
C556		9965 000 01344	FILM 100pF ±5%100V	OF15101540	R612		9965 000 01565	68Ω ± 1% 1/4W ERD	NR01680140
C557		5322 124 21731	ELECT. 10μF M 50V RA-2	OA10605020	R613		4822 111 20413	68Ω ± 1% 1/4W ERD	NR01680140
C558		5322 124 21731	ELECT. 10μF M 50V RA-2	OA10605020	R614		4822 111 20413	220Ω ± 1% 1/4W ERD	NR01221140
C559		4822 124 08067	ELECT. 4.7μF M 50V RA-2	OA47505020	R615		4822 111 20413	220Ω ± 1% 1/4W ERD	NR01221140
C560		4822 124 08067	ELECT. 4.7μF M 50V RA-2	OA47505020	R616		4822 111 20413	220Ω ± 1% 1/4W ERD	NR01221140
C561		9965 000 01583	FILM 0.047μF ±5%50V MTFV	OF15473040	R617		4822 050 23308	3.3MΩ ±5%1/6W	GD05335160
C562		9965 000 01583	FILM 0.047μF ±5%50V MTFV	OF15473040	R618		4822 050 23308	3.3MΩ ±5%1/6W	GD05335160
C563		4822 124 12276	FILM 0.01μF ± %	OF15103540	R619		4822 050 23308	3.3MΩ ±5%1/6W	GD05335160
C564		4822 124 12276	FILM 0.01μF ± %	OF15103540	R620				
C565		9965 000 01344	FILM 100pF ±5%100V	OF15101540	R621				
C566		9965 000 01344	FILM 100pF ±5%100V	OF15101540	R622				
C567 S		4822 124 90365	ELECT. 220μF M 25V RA-2	OA22702520	R623				
C570			P551-RESISTORS		R624				
▲ R563 S		4822 052 10101	100Ω ±5%1/6W	GG05101160	R625				
▲ R576		4822 101 30735	VAR. 10kΩ X2 B	RM01030720	R626				
R577		4822 101 30735	VAR. 10kΩ X2 B	RM01030720	R627				
R578			P551-RESISTORS		R628				
					R629				
					R630				
					▲ R631				
					▲ R632				
					R633				
					R634				
					R635				
					R636				
					▲ R637				
					R638				
					R639				



POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
▲ Q713		4822 130 63635	TRS. 2SC4793 O Y	HT347932A0	▲ D801		4822 130 80839	P801-SEMICONDUCTORS	
▲ Q714		4822 130 63634	TRS. 2SA1837 O Y	HT118372A0	§			DIODE S5688G	HD20029050
▲ Q715		4822 130 60741	TRS. 2SC3284 O P Y	HT332843D0	▲ D808			VRM=400V I0=1A	
Q716		4822 130 63674	125W FMG112		D809		4822 130 10851	ZENER DIODE HZ24-2L	HD30012010
			TRS. 2SA1303 O P Y	HT113033D0	D810		4822 130 10851	ZENER DIODE HZ24-2L	HD30012010
Q717		4822 130 43233	125W FMG112		D811		4822 130 80839	DIODE S5688G	HD20029050
Q718		4822 130 42949	TRS. 2SC2240 GR OR BL	HT322402A0	D812		4822 130 80839	DIODE S5688G	HD20029050
			TRS. 2SA970 GR OR BL	HT109702A0	▲ D813		4822 130 80839	DIODE S5688G	HD20029050
C801		9965 000 01577	P801-POWER SUPPLY & PROTECTOR CIRCUIT BOARD		▲ D814		4822 130 80839	DIODE S5688G	HD20029050
			P801-CAPACITORS		D815		4822 130 80116	VRM=400V I0=1A	
C802		9965 000 01577	ELECT 1800 $\mu$ F 50V FOR AUDIO	EB18805020	▲ D816		4822 130 80839	ZENER DIODE 24V EQUIVALENT	HD32401000
C805		4822 124 90355	ELECT. 100 $\mu$ F M 50V RA-2	OA10705020	▲ D817		4822 130 80839	DIODE S5688G	HD20029050
C806		4822 124 90355	ELECT. 100 $\mu$ F M 50V RA-2	OA10705020	D818		4822 130 80839	DIODE S5688G	HD20029050
C807		4822 124 90366	ELECT. 220 $\mu$ F M 50V RA-2	OA22705020	▲ D819		4822 130 80839	DIODE S5688G	HD20029050
C808		4822 124 90366	ELECT. 220 $\mu$ F M 50V RA-2	OA22705020	▲ D820		4822 130 80839	DIODE S5688G	HD20029050
C809		4822 124 41542	ELECT. 470 $\mu$ F M 50V RA-2	OA47705020	D901		4822 130 80837	DIODE HSS81TD 150V 150mA	HD20027010
C810		4822 124 41535	ELECT. 100 $\mu$ F M 25V RA-2	OA10702520	D902		4822 130 80837	DIODE HSS81TD 150V 150mA	HD20027010
C811		4822 124 90366	ELECT. 220 $\mu$ F M 50V RA-2	OA22705020	D951		4822 130 32362	DIODE ISS176 MA165 1SS254 30V 0.1A	HD20002000
C812		4822 124 90355	ELECT. 100 $\mu$ F M 50V RA-2	OA10705020	D952		4822 130 33948	ZENER DIODE 5.6V EQUIVALENT	HD30561000
C813		4822 124 41534	ELECT. 10 $\mu$ F M 25V RA-2	OA10602520	▲ Q801		4822 130 11605	TRS. 2SD1415	HT41415100
C814		4822 124 41543	ELECT. 1 $\mu$ F M 50V RA-2	OA10505020	▲ Q802		4822 130 11604	TRS. 2SB1020	HT21020100
C815		4822 124 41543	ELECT. 1 $\mu$ F M 50V RA-2	OA10505020	Q803		4822 130 42836	F.E.T. 2SK246 GR	HF202461C0
C816		4822 124 12276	FILM 0.01 $\mu$ F ± 5%	OF15103540	Q804		4822 130 42836	F.E.T. 2SK246 GR	HF202461C0
C901		4822 124 12276	FILM 0.01 $\mu$ F ± 5%	OF15103540	▲ Q805		4822 130 11605	TRS. 2SD1415	HT41415100
C902		4822 124 22698	ELECT. 47 $\mu$ F M 25V RA-2	OA47602520	Q806		4822 130 42836	F.E.T. 2SK246 GR	HF202461C0
C903		4822 122 40617	CER. 0.1 $\mu$ F +8%-20% DC50V	DD38104010	▲ Q807		4822 209 83821	IC NJM78M06FA	HC38506090
C904		5322 124 21731	ELECT. 10 $\mu$ F M 50V RA-2	OA10605020	Q901		4822 209 83312	IC TA7317P	HC10042050
C905		4822 124 22698	ELECT. 47 $\mu$ F M 25V RA-2	OA47602520	Q951		4822 130 42836	F.E.T. 2SK246 GR	HF202461C0
C906		4822 124 22273	ELECT. 0.47 $\mu$ F M 50V RA-2	OA47405020	▲ Q802		4822 130 43233	TRS. 2SC2240 GR OR BL	HT322402A0
C907		9965 000 01575	FILM 0.039 $\mu$ F ±5%100V OFC	OF55393540	Q953		4822 130 43233	TRS. 2SC2240 GR OR BL	HT322402A0
C908		9965 000 01575	FILM 0.039 $\mu$ F ±5%100V OFC	OF55393540	Q954		4822 130 60117	TRS. 2SC3419 Y 40V 0.8A	HT334191Y0
C909	/K,N,S	4822 124 12276	FILM 0.01 $\mu$ F ± 5%	OF15103540	Q955		4822 209 83679	PC=1.2W 5W	
C910	/K,N,S	4822 124 12276	FILM 0.01 $\mu$ F ± 5%	OF15103540	▲ G801		4822 121 20263	IC NJM2904 DUAL OP-AMP	HC10030090
C951		4822 122 40617	CER. 0.1 $\mu$ F +8%-20% DC50V	DD38104010	Q952		4822 267 41009	P801-MISCELLANEOUS	
C952		4822 124 41543	ELECT. 1 $\mu$ F M 50V	OA10505020	Q953		4822 130 43233	CAP.COMP. 0.47 $\mu$ F + 6.8 $\Omega$	BF47400010
C953		4822 124 41535	ELECT. 100 $\mu$ F M 25V RA-2	OA10702520	Q954		4822 130 60117	NOISE KILLER	
			P801-RESISTORS		Q955		4822 267 41009	TERMINAL 2P RCA PIN JACK	YT02020890
▲ R801		4822 050 21108	1 $\Omega$ ±5%1/2W	GG05010120	J908		4822 158 60605	FERRIT BEADS B-01-RT	FC90050060
▲ R802		4822 050 21108	1 $\Omega$ ±5%1/2W	GG05010120	L801		4822 280 70354	RELAY VB 24MBU-510	LY20240310
▲ R803		4822 052 10101	100 $\Omega$ ±5%1/6W	GG05101160	L901		9965 000 01576	5A/240VAC	
▲ R804		4822 052 10101	100 $\Omega$ ±5%1/6W	GG05101160	▲ G801		4822 121 20263	RELAY MR82-24USR	LY20240480
▲ R807		4822 050 24708	4.7 $\Omega$ ±5%1/4W	GG05047140	Q902		4822 158 60605	FERRIT BEADS B-01-RT	FC90050060
▲ R808		4822 050 24708	4.7 $\Omega$ ±5%1/4W	GG05047140	L905		4822 158 60605	FERRITE BEADS B-01-RT	FC90050060
▲ R809		4822 117 10158	1 $\Omega$ ±5%1/4W	GG05010140	U804		9965 000 01576	P861-RECTIFIER	
▲ R810		4822 052 10101	100 $\Omega$ ±5%1/6W	GG05101160	▲ D861		4822 121 20263	CIRCUIT BOARD	
▲ R812		4822 050 24708	4.7 $\Omega$ ±5%1/4W	GG05047140	▲ G861		4822 121 20263	DIODE D25XB60	HE20029290
▲ R813		4822 113 90119	FUSE 22 $\Omega$ G 1/4W	NF02220140				600V 25A BRIDGE-DI	
▲ R814		4822 113 90119	FUSE 22 $\Omega$ G 1/4W	NF02220140				CAP.COMP. 0.47 $\mu$ F + 6.8 $\Omega$	BF47400010
▲ R816		4822 052 10478	4.7 $\Omega$ ±5%1/6W	GG05047160				NOISE KILLER	
▲ R818		4822 053 10339	33 $\Omega$ ±5%1W	GA05330010					
▲ R819		4822 053 10339	33 $\Omega$ ±5%1W	GA05330010					
R913		4822 053 10109	10 $\Omega$ ±5%1W	GA05100010					
R914		4822 053 10109	10 $\Omega$ ±5%1W	GA05100010					
R917		4822 053 10331	330 $\Omega$ ±5%1W	GA05331010					
R918		4822 053 10331	330 $\Omega$ ±5%1W	GA05331010					
R951		4822 052 10109	10 $\Omega$ ±5%1/6W	GG05100160					
R***			P801-RESISTORS (COMMON)						
			CARBON FILM FIXED RES.						
			±5% 1/6W : R805 R806 R811						
			R815 R817 R901-R912 R923						
			R952-R959						

POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
▲ J871	/F,/U	482226731417	<b>P871-AC-OUTLET CIRCUIT BOARD [/F,/U VERSION]</b> JACK AC OUTLET CCT1306-0212	YJ04001840
▲ C891 S891		4822 121 43732 4822 276 12647	<b>P891-POWER SW CIRCUIT BOARD</b> FILM 0.1µF M 250V AC PUSH SW. POWER ESB-99753V-4 TV-8	DF77103500 SP01011470
RM09		4822 100 20681	<b>PM01-HDAM CIRCUIT BOARD FOR Q501 Q502 Q601 Q701</b> <b>PM01-RESISTOR</b> TRIM. 2.2kΩ RH0638C14R	RA02220780
<u>R***</u>			<b>PM01-RESISTORS (COMMON)</b> CARBON FILM FIXED RES. ±5% 1/6W : RM01-RM08	
DM01 S DM05		4822 130 32362	<b>PM01-SEMICONDUCTORS</b> DIODE 1SS176 A165 1SS254 30V 0.1A	HD20002000
QM01		5322 130 41844	F.E.T. 2SK170 BL VGDS=-40V PD=0.4V	HF201701G0
QM02		5322 130 41844	F.E.T. 2SK170 BL VGDS=-40V PD=0.4V	HF201701G0
QM03		4822 130 43233	TRS. 2SC2240 GR OR BL	HT322402A0
QM04		4822 130 42949	TRS. 2SA970 GR OR BL	HT109702A0
QM05		4822 130 42949	TRS. 2SA970 GR OR BL	HT109702A0
QM06		4822 130 43233	TRS. 2SC2240 GR OR BL	HT322402A0